

**The Appendix is an integral part of  
Certificate of Accreditation No. 34/2023 of 27/01/2023**

**Accredited entity according to ČSN EN ISO 15189:2013:**

**Univerzita Palackého v Olomouci**  
CAB Number 8243, Institute of Molecular and Translational Medicine  
Laboratory of Experimental Medicine, UP Faculty of Medicine and Dentistry and University  
Hospital Olomouc  
Hněvotínská 1333/5, 779 00 Olomouc

*The Laboratory applies a flexible approach to the scope of accreditation.*

*The current “List of activities within the flexible scope” is available on the website  
<https://imtm.cz/diagnostika>*

**Examinations:**

Ordinal number	Analyte/parameter/diagnostics	Principle of examination	Identification of method procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>802 - Medical Microbiology</b>					
1.	Detection and genotyping of human papillomavirus (HPV)	PCR method	Published procedure	Cervical, vaginal, cervicovaginal swabs	A, B
2.	Detection and genotyping of human papillomavirus (HPV)	Real-Time PCR	Commercial procedure	Cervical, vaginal, cervicovaginal swabs	A, B, C
3.	Detection of SARS-CoV-2 virus	Real-Time PCR	Commercial procedure	Oropharyngeal, nasopharyngeal swabs, biological material collected through gargling	A, B, C
<b>816 - Medical Genetics Laboratory</b>					
1.	Examination of chromosomal aberrations	FISH	Published procedure	Tumor tissue, cell lines	A, B, C
2.	Examination of somatic variants of individual genes	Real-Time PCR	Commercial procedure	Isolated DNA, tissue (fresh, frozen, paraffin-embedded), plasma, cytologic preparation, exudate, lavage	A, B, C

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Ordinal number	Analyte/parameter/diagnostics	Principle of examination	Identification of method procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
3.	Examination of somatic variants of individual genes	MPS	Commercial procedure; In-house procedure	Isolated DNA and RNA, tissue (fresh, frozen, paraffin block), plasma, cytologic preparation, exudate, ascites, lavage	A, B, C
4.	Examination of somatic gene variants in diagnostic panels	MPS	Commercial procedure	Isolated DNA and RNA, tissue (fresh, frozen, paraffin-embedded), plasma, cytologic preparation, exudate, ascites, lavage	A, B, C
5.	Examination of germline gene variants in the exome	MPS	Commercial procedure	Isolated DNA, tissue (fresh, frozen), blood, buccal swab, saliva	A, B, C
6.	Examination of CNV type chromosomal aberrations	a-CGH	Commercial procedure	Isolated DNA, cell lines, tissue (fresh, frozen, paraffin block), blood, bone marrow, ascites, lavage, mucosal swabs	A, B
7.	Examination of CNV type chromosomal aberrations	a-CGH	Commercial procedure	Chorionic villi, amniotic fluid	A, B
8.	Detection of circulating tumour cells	Fluorescence microscopy	Published procedure	Blood	A, B, C

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**Explanatory notes:**

<sup>1</sup> Established degrees of freedom according to MPA 00-09-...:

A – Flexibility concerning the documented examination/ sample collection procedure

B – Flexibility concerning the technique

C – Flexibility concerning analytes / parameters

D – Flexibility concerning the material to be examined

If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for this examination.

PCR	Polymerase Chain Reaction
Real-Time PCR	Real-Time Polymerase Chain Reaction
FISH	Fluorescence In Situ Hybridization
MPS	Massively parallel sequencing (NGS)
a-CGH	Comparative genomic hybridization on oligonucleotide microarrays
CNV	Copy Number Variation